



October 15, 2020

Reference No.11208393-201

Mr. Kevin Woods, President  
 Globe Food Equipment Co.  
 2215 East River Road  
 Dayton, Ohio  
 45439

Dear Mr. Woods:

**Re: Summary of Vapor Intrusion Sampling Results  
 Globe Food Equipment Co. – Building 24  
 South Dayton Dump and Landfill Site, Moraine, Ohio**

GHD prepared this letter to inform you of the results of the vapor intrusion (VI) sampling completed at your property in 2020. VI is the migration of volatile chemicals from the subsurface into overlying buildings. VI is a potential concern at any building located near soil, groundwater, or soil vapor containing solvent- or petroleum-related compounds that may volatilize. In 2012, GHD began VI studies in the area as part of the investigation of the South Dayton Dump and Landfill (SDDL) Site. GHD is conducting this work on behalf of the companies that have responded to United States Environmental Protection Agency (USEPA) requests to conduct Remedial Investigation and VI studies associated with the Site (Respondents). The oversight of these projects is being performed by USEPA.

Based on the results of the VI studies performed in the area, a sub-slab depressurization system (SSDS) was installed in one building on your property and has been operating since 2013. The SSDS withdraws a small amount of air from beneath the building to create a negative pressure so that vapors do not migrate into the building (similar to a radon system in a home). The monitoring program through 2016 included collection of sub-slab (SS) soil gas samples (from probes installed under the building floor) and indoor air (IA) samples at multiple locations for laboratory analysis of volatile organic compounds (VOCs). The sampling serves to document the concentrations of VOCs beneath the building and to demonstrate that air within the building meets VI standards set by the State of Ohio. Vacuum measurements from beneath the building floor slab are also recorded to demonstrate the SSDS is working properly. In 2017, based on demonstrated system performance, the monitoring program was modified with USEPA approval to focus on collection of IA samples. The SS and IA sample locations within your building (designated as Building 24) are shown on Figure 1.

### ***2020 Sampling Results***

During the annual proficiency sampling event conducted on February 6, 2020, GHD collected IA samples at two locations, and one air sample outdoors. These analytical results are attached in Table 1 (highlighted in blue) along with results for all samples collected since 2012. Table 1 also shows the screening levels established by the Ohio Department of Health (ODH), which are used for comparison to the detected concentrations in the samples. As shown in Table 1, the concentration of tetrachloroethylene



(PCE) at two indoor air sample locations were marginally greater than the Ohio Department of Health (ODH) screening levels for non-residential use in the February 2020 samples. The maximum detected PCE concentration in February 2020 samples was 33 parts per billion by volume (ppbv) compared to the ODH screening level of 25 ppbv. These results were not consistent with the previous IA sample results and GHD completed an additional round of proficiency sampling on May 27, 2020 to further investigate the results of the February 2020 sampling event.

The May 2020 sampling event included collection of two IA samples at locations that exceeded ODH PCE screening levels in February 2020 (IA-24-B and IA-24-D), two co-located SS samples (SS-24-B and SS-24-D), and one outdoor ambient air sample. As shown in Table 1, there were no exceedances of ODH screening levels in samples collected from IA and SS sample locations in May 2020 (May 2020 results are highlighted in green). PCE was detected in one May 2020 IA sample (IA-24-D) at an estimated concentration of 0.051 ppbv and was not detected in the other IA sample (IA-24-B); these concentrations are significantly less than the ODH PCE IA screening level (25 ppbv) and the February 2020 sample results. PCE was detected in samples collected from both May 2020 SS locations including SS-24-B (1.9 ppbv), SS-24-B duplicate (1.8 ppbv), and SS-24-D (5.6 ppbv). These detected concentrations are significantly less than the ODH SS screening level (250 ppbv).

#### ***Additional Information***

As previously mentioned in this letter, Table 1 shows the results of all analyses conducted since 2012 for SS and IA samples. The table shows that trichloroethene (TCE) has been detected in SS samples from one sample location (SS-24-B) during various sampling events at concentrations above ODH SS screening levels. Table 1 also shows that prior to 2020, PCE was detected once above ODH screening levels in December 2014, but it is concluded the detection was not related to VI. Analytical results for detected VOCs that exceed the ODH screening levels in at least one sample are shown on Figure 1. This includes TCE at SS-24-B, and PCE at IA-24-B and IA-24-D.

Please note that the SS screening levels shown in Table 1 are calculated based on an attenuation factor (AF) to account for the mixing and ventilation that occurs when vapors enter the IA<sup>1</sup>. For this reason, an exceedance of these values is used as an indicator of potential impact to IA, which requires further assessment. The SSDS in Building 24 was installed and operated in response to the TCE detections in SS soil gas samples, not detections in IA samples. TCE has not been detected in IA samples at concentrations above the ODH IA screening levels indicating that VI has not been documented.

As part of the monitoring program, GHD measured vacuum readings at each SS soil vapor probe location to determine if the SSDS is depressurizing the SS zone beneath the building. A vacuum reading of

---

<sup>1</sup> The ODH screening levels shown in Table 1 were calculated based on an attenuation factor (AF) equal to 10, reflective of 2002 USEPA guidance. USEPA revised and issued final VI guidance in 2015 which utilizes an AF of 33 for residential buildings; see "OSWER Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Vapor Source to Indoor Air (USEPA, June 2015) (Final Vapor Intrusion Guidance)". The use of AF=10 in the original assessment (2012) and included in Table 1 is a more conservative approach compared to the use of AF=33 based on current USEPA guidance.



negative 0.004 inches of water column (" w.c.) indicates that the SSDS is successfully depressurizing the building SS. Vacuum readings, measured on May 26, 2020 prior to completing the additional proficiency sampling event, indicated positive pressure (no vacuum) at four of the accessible SS locations. A follow-up round of vacuum readings, measured on June 29, 2020, indicated that a negative pressure (vacuum) exists at all accessible SS locations. However, the vacuum readings at some probes in the center of Building 24 do not attain the target vacuum of -0.004" w.c. This finding is consistent with previous monitoring results.

GHD completed quarterly inspections of the SSDS exterior blowers and interior system components to determine if the system is working properly. Inspections completed on March 19, 2020, June 29, 2020, and September 10, 2020 indicated vacuum readings at each extraction point blower were within the target range of -0.5 to -4.0" w.c. and that the SSDS is functioning properly.

### ***Conclusion***

The February 2020 monitoring results show that concentration of PCE at two indoor air sample locations were marginally greater than the ODH screening levels for non-residential use. The May 2020 and previous SS results indicate that no vapor intrusion of PCE is occurring, as a result, the February 2020 PCE IA exceedance is considered anomalous. The latest round of SS soil gas vacuum readings indicate that the SSDS is effectively depressurizing the sub-slab beneath the building and mitigating potential VI.

GHD plans to monitoring system performance (vacuum readings) biannually and collect IA samples annually to ensure acceptable system operation conditions. In addition, GHD will inspect the vacuum blower operation on a quarterly basis and replace blowers as needed.

If you have questions related to the sampling or on-going site investigation, please do not hesitate to contact the undersigned.

Yours truly,

GHD

A handwritten signature in blue ink that reads "Julian Hayward".

Julian Hayward

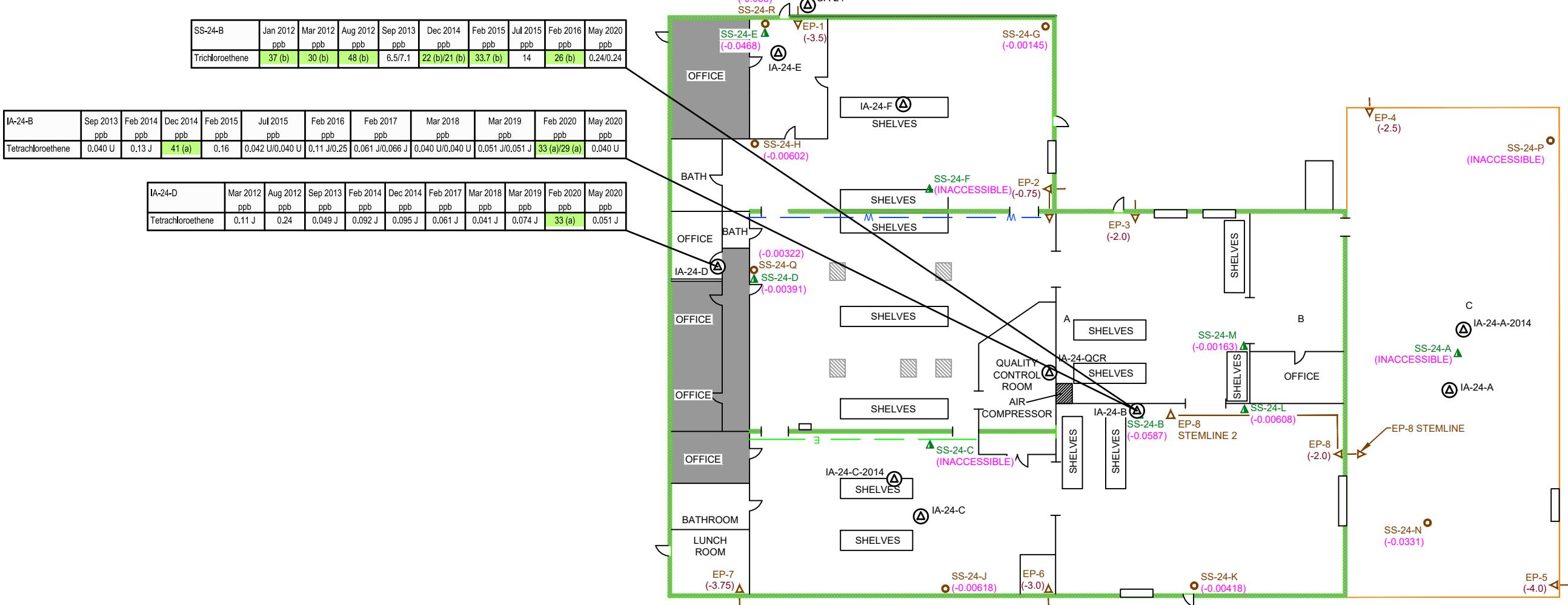
A handwritten signature in blue ink that reads "Valerie Chan".

Valerie Chan

BR/cb/1

Encl.

cc: Robert Thompson – USEPA Remedial Project Manager  
Tamara McPeek – Ohio EPA, Site Coordinator



#### LEGEND

- ▲ SUCTION POINT LOCATION
- PIPING AND FAN LOCATION
- COMPLIANCE POINT LOCATION
- BH19-13 ■ BOREHOLE LOCATION
- CONCRETE BLOCK
- SHEET METAL
- INTERIOR WALL
- WATER LINE
- ELECTRICAL LINE
- CARPET
- DOOR
- SS-24-A ▲ EXISTING SOIL VAPOR PROBE LOCATION
- IA-24-A (A) EXISTING INDOOR AIR LOCATION
- (-0.166) VACUUM READINGS AT SUB-SLAB PROBE LOCATIONS MEASURED ON JUNE 29, 2020 IN INCHES OF WATER COLUMN (" W.C.)
- (-0.75) VACUUM READINGS AT EXTRACTION POINT LOCATIONS MEASURED ON SEPTEMBER 10, 2020 IN INCHES OF WATER COLUMN (" W.C.)

SAMPLE IDENTIFICATION	
IA-24-A	Mar 2012
%	SAMPLE UNITS
Methane	
Methane, field	0/0.0
CRITERIA	
CONCENTRATION	
PARAMETER	

Chemical	ODH Non-Residential Screening Levels	
	Indoor Air (a) (ppb)	Sub-Slab (b) (ppb)
Tetrachloroethylene	25	250
Trichloroethylene	2	20

0 15 30 ft



SOUTH DAYTON DUMP AND LANDFILL SITE  
2215 EAST RIVER ROAD, MORaine, OHIO

Project No. 11208393  
Date October 2020

PARCEL NUMBER 3207, BUILDING 24

FIGURE 1

Table 1

**Summary Of Building 24 - Globe Equipment Analytical Results**  
**South Dayton Dump and Landfill Site**  
**Moraine, Ohio**  
**2012-2020**

Sample Location:	IA-24-A	IA-24-A	IA-24-A	IA-24-A	IA-24-A	IA-24-A-2014	IA-24-B	IA-24-B	IA-24-B	IA-24-B	IA-24-B	IA-24-B	IA-24-B
Sample ID:	IA-38443-031012-JC-140	IA-38443-081112-GL-084	IA-38443-091113-GL-004	IA-38443-020714-JT-003	IA-38443-120514-GL-004	IA-38443-091113-GL-003	IA-38443-020714-JT-005	IA-38443-120514-GL-003	IA-38443-020714-JT-005	IA-38443-120514-GL-003	IA-38443-022015-GL-030	SDD-IA-24B-0215	IA-38443-022015-GL-031
Sample Date:	3/10/2012	8/11/2012	9/11/2013	2/7/2014	12/5/2014	9/11/2013	2/7/2014	12/5/2014	12/5/2014	2/20/2015	2/20/2015	2/20/2015	Duplicate
Parameters	Units	<u>ODH Non-Residential Screening Levels</u>											
		Sub-Slab Soil Gas a	Indoor Air b										
<b>Volatile Organic Compounds</b>													
1,1-Dichloroethane	ppbv	160	16	0.026 U	0.026 U	0.052 U	0.026 U	0.026 U	0.026 U	0.052 U	0.026 U	0.29 U	0.026 U
Benzene	ppbv	20	2	0.23	0.22	0.45	0.29	0.37	0.056 U	0.28	0.67	0.48	0.52
Chloroform (Trichloromethane)	ppbv	800	80	0.038 U	0.038 U	0.076 U	0.038 U	0.038 U	0.038 U	0.076 U	0.038 U	0.14 U	0.038 U
cis-1,2-Dichloroethene	ppbv	370	37	0.060 U	0.060 U	0.12 U	0.060 U	0.060 U	0.060 U	0.12 U	0.060 U	0.72 U	0.060 U
Ethylbenzene	ppbv	2500	250	2.1	3.2	3.7	0.84	1.0	0.068 U	0.60	0.92	0.39	0.43
m&p-Xylenes	ppbv	2000	200	8.4	11	14	2.8	3.4	0.12 U	1.9	3.5	1.5	0.37
Naphthalene	ppbv	29	2.9	0.090 UJ	0.096 J	0.21 J	0.090 U	0.090 U	0.090 U	0.090 U	0.18 U	0.090 U	0.71 U
o-Xylene	ppbv	2000	200	3.9	6.4	6.1	1.4	1.3	0.061 U	0.90	1.4	0.61	0.59
Tetrachloroethylene	ppbv	250	25	0.23	0.22	0.083 J	0.13 J	0.18 J	0.040 U	0.13 J	41 <sup>b</sup>	0.14 J	0.16
Trichloroethene	ppbv	20	2	0.057 J	0.053 J	0.072 U	0.048 J	0.036 U	0.036 U	0.059 J	0.072 U	0.061 J	0.062 J
Vinyl chloride	ppbv	20	2	0.071 U	0.071 U	0.14 U	0.071 U	0.071 U	0.071 U	0.071 U	0.14 U	0.071 U	0.071 U

Notes:

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estimated.

-- Not applicable.

[redacted] - concentration is greater than specified criteria

Table 1

**Summary Of Building 24 - Globe Equipment Analytical Results**  
**South Dayton Dump and Landfill Site**  
**Moraine, Ohio**  
**2012-2020**

Sample Location:	IA-24-B	IA-24-B	IA-24-B	IA-24-B											
Sample ID:	IA-38443-071615-6L-033	IA-38443-071615-6L-034	IA-38443-021116-GL-007	IA-38443-021116-GL-008	IA-38443-022217-JC-001	IA-38443-022217-JC-002	IA-38443-032218-GL-001	IA-38443-032218-GL-002	IA-38443-030119-JC-007	IA-38443-030119-JC-008	IA-38443-020620-JC-007	IA-38443-020620-JC-008			
Sample Date:	7/16/2015	7/16/2015	Duplicate	2/11/2016	2/11/2016	Duplicate	2/22/2017	2/22/2017	Duplicate	3/1/2019	3/1/2019	Duplicate	2/6/2020	2/6/2020	Duplicate
Parameters	Units														
<b>Volatile Organic Compounds</b>															
1,1-Dichloroethane	ppbv	0.027 U	0.026 U	0.26 U	0.47 U										
Benzene	ppbv	0.11 J	0.12 J	0.32	0.32	0.28	0.23	0.19 J	0.20	0.28	0.25	0.56 U	1.0 U		
Chloroform (Trichloromethane)	ppbv	0.040 U	0.038 U	0.038 U	0.073 J	0.038 U	0.041 J	0.038 U	0.38 U	0.69 U					
cis-1,2-Dichloroethene	ppbv	0.063 U	0.060 U	0.60 U	1.1 U										
Ethylbenzene	ppbv	0.29	0.33	0.86	0.91	1.6	1.3	0.52	0.65	2.2	2.2	0.68 U	1.2 U		
m&p-Xylenes	ppbv	0.69	0.85	3.8	4.2	6.4	5.5	1.7	2.3	11	11	1.2 U	2.2 U		
Naphthalene	ppbv	0.094 U	0.090 U	0.090 U	0.090 U	0.090 UJ	0.097 J	0.090 U	0.90 UJ	1.6 UJ					
o-Xylene	ppbv	0.29	0.35	1.7	2.0	2.5	2.1	0.75	1.0	4.3	4.4	0.61 U	1.1 U		
Tetrachloroethene	ppbv	0.042 U	0.040 U	0.11 J	0.25	0.061 J	0.066 J	0.040 U	0.040 U	0.051 J	0.051 J	33 <sup>b</sup>	29 <sup>b</sup>		
Trichloroethene	ppbv	0.038 U	0.036 U	0.057 J	0.069 J	0.036 U	0.36 U	0.65 U							
Vinyl chloride	ppbv	0.074 U	0.071 U	0.71 U	1.3 U										

Notes:

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estim.

-- Not applicable.

\_\_\_\_\_ - concentration is greater than specified criteri

Table 1

**Summary Of Building 24 - Globe Equipment Analytical Results**  
**South Dayton Dump and Landfill Site**  
**Moraine, Ohio**  
**2012-2020**

Sample Location:	IA-24-B	IA-24-C	IA-24-C	IA-24-C	IA-24-C	IA-24-C	IA-24-C	IA-24-C-2014	IA-24-D	IA-24-D	IA-24-D	IA-24-D	IA-24-D
Sample ID:	IA-38443-052720-GL-005	IA-38443-031012-JC-144	IA-38443-031012-JC-145	IA-38443-081112-GL-087	IA-38443-091113-GL-008	IA-38443-020714-JT-004	IA-38443-120514-GL-005	IA-38443-031012-JC-148	IA-38443-081112-GL-089	IA-38443-091213-GL-017	IA-38443-020714-JT-002	IA-38443-120514-GL-006	
Sample Date:	5/27/2020	3/10/2012	3/10/2012	8/11/2012	9/11/2013	2/7/2014	12/5/2014	3/10/2012	8/11/2012	9/12/2013	2/7/2014	12/5/2014	
<b>Parameters</b>													
Units													
<b>Volatile Organic Compounds</b>													
1,1-Dichloroethane	ppbv	0.026 U	0.026 U	0.026 U	0.052 U	0.026 U							
Benzene	ppbv	0.10 J	0.24	0.25	0.37	0.33 J	0.27	0.35	0.19 J	0.24	0.42	0.27	0.35
Chloroform (Trichloromethane)	ppbv	0.038 U	0.038 U	0.039 J	0.076 U	0.038 U	0.038 U	0.038 U	0.079 J	0.078 J	0.038 U	0.095 J	0.038 U
cis-1,2-Dichloroethene	ppbv	0.060 U	0.060 U	0.060 U	0.12 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U
Ethylbenzene	ppbv	0.17 J	2.2	1.8	2.9	2.9	0.50	0.60	0.63	1.4	0.99	0.45	0.50
m&p-Xylenes	ppbv	0.61	9.6	7.4	7.9	10	1.7	2.1	2.5	3.7	3.6	1.5	1.6
Naphthalene	ppbv	0.090 U	0.090 UJ	0.090 UJ	0.13 J	0.35 J	0.090 U	0.090 U	0.090 UJ	0.090 UJ	0.13 J	0.090 U	0.12 J
o-Xylene	ppbv	0.26	4.5	3.6	3.7	3.8	0.75	0.81	1.1	1.7	1.8	0.66	0.64
Tetrachloroethene	ppbv	0.040 U	0.28	0.30	0.44	0.080 U	0.12 J	0.11 J	0.11 J	0.24	0.049 J	0.092 J	0.095 J
Trichloroethene	ppbv	0.036 U	0.071 J	0.070 J	0.12 J	0.072 U	0.064 J	0.036 U	0.15 J	0.37	0.11 J	0.085 J	0.14 J
Vinyl chloride	ppbv	0.071 U	0.071 U	0.071 U	0.071 U	0.14 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U

Notes:

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estim:

- - Not applicable.

- - - concentration is greater than specified criter

Table 1

**Summary Of Building 24 - Globe Equipment Analytical Results**  
**South Dayton Dump and Landfill Site**  
**Moraine, Ohio**  
**2012-2020**

Sample Location:	IA-24-D	IA-24-D	IA-24-D	IA-24-D	IA-24-D	IA-24-D	IA-24-E	IA-24-F	IA-24-F	IA-24-F	IA-24-F	IA-24-F	IA-24-F	IA-24-QCR
Sample ID:	IA-38443-022217-JC-003	IA-38443-032218-GL-003	IA-38443-030119-JC-009	IA-38443-020620-JC-009	IA-38443-020620-JC-009	IA-38443-052720-GL-002	IA-38443-120514-GL-008	IA-38443-031012-JC-151	IA-38443-081112-GL-094	IA-38443-091113-GL-005	IA-38443-020714-JT-006	IA-38443-120514-GL-010	IA-38443-120514-GL-007	
Sample Date:	2/22/2017	3/22/2018	3/1/2019	2/6/2020	5/27/2020		12/5/2014	3/10/2012	8/11/2012	9/11/2013	2/7/2014	12/5/2014	12/5/2014	
<b>Parameters</b>														
<b>Volatile Organic Compounds</b>														
1,1-Dichloroethane	ppbv	0.026 U	0.026 U	0.026 U	0.17 U	0.026 U	0.026 U	0.026 U	0.026 U	0.13 U	0.026 U	0.026 U	0.026 U	0.026 U
Benzene	ppbv	0.25	0.19 J	0.29	0.37 U	0.10 J	0.36	0.31	0.69	0.51 J	0.24	0.36	0.31	
Chloroform (Trichloromethane)	ppbv	0.059 J	0.073 J	0.038 J	0.25 U	0.043 J	0.042 J	0.038 U	0.041 J	0.19 U	0.038 U	0.038 U	0.17 J	
cis-1,2-Dichloroethene	ppbv	0.060 U	0.060 U	0.060 U	0.40 U	0.060 U	0.060 U	0.060 U	0.060 U	0.30 U	0.060 U	0.060 U	0.060 U	
Ethylbenzene	ppbv	1.2	0.56	1.0	0.45 U	0.20	0.52	1.4	2.4	0.82 J	0.35	0.63	0.55	
m&p-Xylenes	ppbv	5.2	2.0	4.6	1.6	0.73	1.7	5.9	7.3	3.0	1.1	2.2	1.9	
Naphthalene	ppbv	0.090 UJ	0.090 U	0.090 U	0.60 UJ	0.090 U	0.095 J	0.090 UJ	0.15 J	0.45 U	0.090 U	0.090 U	0.090 U	0.090 U
o-Xylene	ppbv	1.9	0.84	1.8	0.54 J	0.29	0.68	2.7	3.1	1.2	0.45	0.87	0.75	
Tetrachloroethylene	ppbv	0.061 J	0.041 J	0.074 J	33 <sup>b</sup>	0.051 J	0.11 J	0.17 J	0.23	0.20 U	0.049 J	0.080 J	0.092 J	
Trichloroethylene	ppbv	0.32	0.12 J	0.11 J	0.24 U	0.036 U	0.036 U	0.15 J	0.065 J	0.18 U	0.036 U	0.036 U	0.036 U	
Vinyl chloride	ppbv	0.071 U	0.071 U	0.071 U	0.47 U	0.071 U	0.071 U	0.071 U	0.071 U	0.36 U	0.071 U	0.071 U	0.071 U	

Notes:

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estim-

-- Not applicable.

- concentration is greater than specified criter

Table 1

**Summary Of Building 24 - Globe Equipment Analytical Results**  
**South Dayton Dump and Landfill Site**  
**Moraine, Ohio**  
**2012-2020**

Sample Location:	OA-24 SS-38443-010712-JC-028	OA-24 OA-38443-031012-JC-130	OA-24 OA-38443-081112-GL-091	OA-24 OA-38443-081112-GL-092	OA-24 8/11/2012 Duplicate	OA-24 9/11/2013	OA-24 2/7/2014	OA-24 12/5/2014	OA-24 2/11/2016	OA-24 2/22/2017	OA-24 3/22/2018	OA-24 3/1/2019	OA-24 3/1/2019	OA-24-2015 OA-38443-022015-GL-032
Sample ID:	1/7/2012	3/10/2012	8/11/2012	8/11/2012										
Sample Date:														
Parameters	Units													
<b>Volatile Organic Compounds</b>														
1,1-Dichloroethane	ppbv	0.035 U	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 UJ
Benzene	ppbv	0.16 J	0.14 J	0.071 J	0.065 J	0.38	0.25	0.36	0.33	0.25	0.18 J	0.26	0.42 J	
Chloroform (Trichloromethane)	ppbv	0.031 U	0.038 U	0.038 U	0.038 U	0.039 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 UJ
cis-1,2-Dichloroethene	ppbv	0.014 U	0.060 U	0.060 U	0.060 U	0.062 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 UJ
Ethylbenzene	ppbv	0.027 J	0.068 U	0.068 U	0.068 U	0.24	0.070 J	0.14 J	0.068 U	0.079 J	0.068 U	0.068 U	0.068 U	0.11 J
m&p-Xylenes	ppbv	0.059 J	0.12 U	0.12 U	0.20	0.95	0.22	0.43	0.18 J	0.28	0.12 U	0.18 J	0.34 J	
Naphthalene	ppbv	0.086 U	0.090 UU	0.090 UU	0.10 J	0.10 J	0.090 U	0.090 U	0.090 U	0.090 UU	0.090 U	0.090 U	0.090 U	0.095 J
o-Xylene	ppbv	0.022 U	0.061 U	0.061 U	0.061 U	0.35	0.084 J	0.16 J	0.068 J	0.11 J	0.061 U	0.068 J	0.13 J	
Tetrachloroethylene	ppbv	0.011 U	0.060 J	0.040 U	0.040 U	0.041 U	0.040 U	0.077 J	0.040 U	0.087 J	0.040 U	0.040 U	0.040 U	0.040 UJ
Trichloroethylene	ppbv	0.030 U	0.036 U	0.036 U	0.036 U	0.037 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 UJ
Vinyl chloride	ppbv	0.029 U	0.071 U	0.071 U	0.073 U	0.073 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 UJ

Notes:

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UU - Not detected; associated reporting limit is estim-

- - Not applicable.

  - concentration is greater than specified criter

Table 1

**Summary Of Building 24 - Globe Equipment Analytical Results**  
**South Dayton Dump and Landfill Site**  
**Moraine, Ohio**  
**2012-2020**

Sample Location:	OA-24-EP6	OA-24-EP6	OA-24	SS-24-A	SS-24-A	SS-24-A	SS-24-B	SS-24-B	SS-24-B	SS-24-B	SS-24-B	SS-24-B	
Sample ID:	OA-38443-071615-6L-031	OA-38443-020620-JC-006	OA-38443-052720-GL-006	SS-38443-010712-JC-035	SS-38443-031012-JC-141	SS-38443-081112-GL-083	SS-38443-010712-JC-041	SS-38443-031012-JC-143	SS-38443-081112-GL-085	SS-38443-091113-GL-001	SS-38443-091113-GL-002	SS-38443-120514-GL-001	
Sample Date:	7/16/2015	2/6/2020	5/27/2020	1/7/2012	3/10/2012	8/11/2012	1/7/2012	3/10/2012	8/11/2012	9/11/2013	9/11/2013	Duplicate	
<b>Parameters</b>													
Units													
<b>Volatile Organic Compounds</b>													
1,1-Dichloroethane	ppbv	0.026 U	0.026 U	0.026 U	0.18 U	0.052 U	0.026 U	0.12 U	0.026 U	0.026 U	0.052 U	0.052 U	0.10 U
Benzene	ppbv	0.13 J	0.17 J	0.074 J	0.090 U	0.11 U	0.099 J	0.063 U	0.056 U	0.056 U	0.11 U	0.11 U	0.22 U
Chloroform (Trichloromethane)	ppbv	0.038 U	0.038 U	0.038 U	0.16 U	0.076 U	0.090 J	0.11 U	0.070 J	0.075 J	0.076 U	0.076 U	0.15 U
cis-1,2-Dichloroethene	ppbv	0.060 U	0.060 U	0.060 U	0.57 J	0.53	0.85	0.049 U	0.093 J	0.060 U	0.12 U	0.12 U	0.24 U
Ethylbenzene	ppbv	0.068 U	0.068 J	0.088 J	0.11 U	0.14 U	0.68	0.24 J	0.068 U	0.068 U	0.14 U	0.14 U	0.27 U
m&p-Xylenes	ppbv	0.19 J	0.21	0.29	0.24 U	0.24 U	2.5	0.41 J	0.12 U	0.18 J	0.24 U	0.24 U	0.48 U
Naphthalene	ppbv	0.090 U	0.090 UJ	0.090 U	0.43 U	0.18 UU	0.090 UJ	0.87 J	0.090 UJ	0.090 UJ	0.18 U	0.18 U	0.36 U
o-Xylene	ppbv	0.074 J	0.061 U	0.10 J	0.11 U	0.12 U	1.4	0.16 J	0.061 U	0.12 J	0.12 U	0.12 U	0.24 U
Tetrachloroethene	ppbv	0.040 U	0.12 J	0.040 U	25	30	39	90	73	130	25	29	59
Trichloroethene	ppbv	0.036 U	0.036 U	0.036 U	8.2	7.7	10	37 <sup>a</sup>	30 <sup>a</sup>	48 <sup>a</sup>	6.5	7.1	22 <sup>a</sup>
Vinyl chloride	ppbv	0.071 U	0.071 U	0.071 U	0.15 U	0.14 U	0.071 U	0.10 U	0.071 U	0.071 U	0.14 U	0.14 U	0.28 U

Notes:

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estim.

-- Not applicable.

■ - concentration is greater than specified criter

Table 1

**Summary Of Building 24 - Globe Equipment Analytical Results**  
**South Dayton Dump and Landfill Site**  
**Moraine, Ohio**  
**2012-2020**

Sample Location:	SS-24-B	SS-24-B	SS-24-B	SS-24-B	SS-24-B	SS-24-B	SS-24-B	SS-24-B	SS-24-C	SS-24-C	SS-24-C	SS-24-C	SS-24-C
Sample ID:	SS-38443-120514-GL-002	SDD-SS-24B-0215	SS-38443-022015-GL-029	SDD-SS-24B-0715	SS-38443-071615-6L-032	SS-38443-021116-GL-006	SS-38443-052720-GL-003	SS-38443-052720-GL-004	SS-38443-010712-JC-039	SS-38443-010712-JC-040	SS-38443-010712-JC-146	SS-38443-031012-JC-146	SS-38443-081112-GL-086
Sample Date:	12/5/2014	2/20/2015	2/20/2015	7/16/2015	7/16/2015	2/11/2016	5/27/2020	5/27/2020	1/7/2012	1/7/2012	3/10/2012	8/11/2012	
Parameters	Units												
<b>Volatile Organic Compounds</b>													
1,1-Dichloroethane	ppbv	0.10 U	0.58 U	0.026 U	0.34 U	0.052 U	0.052 U	0.026 U	0.026 U	0.035 U	0.035 U	0.026 U	0.026 U
Benzene	ppbv	0.22 U	0.29 U	0.087 J	0.44 U	0.11 U	0.11 U	0.056 U	0.056 U	0.022 J	0.049 J	0.056 U	0.056 U
Chloroform (Trichloromethane)	ppbv	0.15 U	0.28 U	0.038 U	0.28 U	0.076 U	0.076 U	0.038 U	0.038 U	0.031 U	0.031 U	0.038 U	0.038 U
cis-1,2-Dichloroethene	ppbv	0.24 U	1.4 U	0.060 U	0.35 U	0.12 U	0.12 U	0.060 U	0.060 U	0.014 U	0.014 U	0.060 U	0.060 U
Ethylbenzene	ppbv	0.27 U	0.57 U	0.18 J	0.32 U	0.14 U	0.14 U	0.13 J	0.14 J	0.022 U	0.16 J	0.068 U	0.068 U
m&p-Xylenes	ppbv	0.48 U	1.2 U	0.83 J	0.69	0.24 U	0.24 U	0.42	0.46	0.062 J	0.39 J	0.12 U	0.22
Naphthalene	ppbv	0.36 U	1.4 U	0.32 J	0.27 U	0.18 U	0.18 U	0.090 U	0.090 U	0.086 UJ	0.086 UJ	0.090 UJ	0.090 UJ
o-Xylene	ppbv	0.24 U	1.4 U	0.33	0.32 U	0.12 U	0.12 U	0.15 J	0.17 J	0.022 U	0.11 J	0.061 U	0.11 J
Tetrachloroethene	ppbv	49	78.3	57	40	34	82	1.9	1.8	15	15	15	12
Trichloroethene	ppbv	21 <sup>a</sup>	33.7 <sup>a</sup>	23 <sup>a</sup>	14	9.8	26 <sup>a</sup>	0.24	0.24	0.99	1.1	0.87	0.63
Vinyl chloride	ppbv	0.28 U	0.29 U	0.071 U	0.54 U	0.14 U	0.14 U	0.071 U	0.071 U	0.029 U	0.029 U	0.071 U	0.071 U

## Notes:

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estim.

-- Not applicable.

- concentration is greater than specified criter

Table 1

**Summary Of Building 24 - Globe Equipment Analytical Results**  
**South Dayton Dump and Landfill Site**  
**Moraine, Ohio**  
**2012-2020**

Sample Location:	SS-24-C	SS-24-D	SS-24-D	SS-24-D	SS-24-D	SS-24-D	SS-24-E	SS-24-E	SS-24-E	SS-24-F	SS-24-F	SS-24-F
Sample ID:	SS-38443-020714-JT-001	SS-38443-010712-JC-038	SS-38443-031012-JC-149	SS-38443-081112-GL-088	SS-38443-052720-GL-001	SS-38443-010712-JC-036	SS-38443-031012-JC-150	SS-38443-081112-GL-090	SS-38443-010712-JC-037	SS-38443-031012-JC-152	SS-38443-031012-JC-152	SS-38443-081112-GL-093
Sample Date:	2/7/2014	1/7/2012	3/10/2012	8/11/2012	5/27/2020	1/7/2012	3/10/2012	8/11/2012	1/7/2012	3/10/2012	8/11/2012	8/11/2012
<b>Parameters</b>												
<b>Units</b>												
<b>Volatile Organic Compounds</b>												
1,1-Dichloroethane	ppbv	0.026 U	0.35 U	0.026 U	0.026 U	0.026 U	0.070 U	0.026 U	0.026 U	0.035 U	0.026 U	0.026 U
Benzene	ppbv	0.20	0.18 U	0.056 U	0.056 U	0.056 U	0.036 U	0.056 U	0.16 J	0.019 J	0.056 U	0.060 J
Chloroform (Trichloromethane)	ppbv	0.039 J	0.31 U	0.038 U	0.038 U	0.038 U	0.062 U	0.038 U	0.038 U	0.031 U	0.038 U	0.038 U
cis-1,2-Dichloroethene	ppbv	0.060 U	0.14 U	0.060 U	0.060 U	0.060 U	0.028 U	0.060 U	0.086 J	0.014 U	0.065 J	0.060 U
Ethylbenzene	ppbv	0.068 U	0.45 J	0.068 U	0.068 U	0.27	0.044 U	0.068 U	1.4	0.034 J	0.073 J	0.068 U
m&p-Xylenes	ppbv	0.13 J	1.6 J	0.34	0.17 J	0.87	0.096 U	0.12 U	4.1	0.069 J	0.24	0.12 U
Naphthalene	ppbv	0.090 U	0.86 U	0.090 UU	0.090 UU	0.090 U	0.17 U	0.090 UJ	0.090 UJ	0.086 U	0.090 UJ	0.090 UJ
o-Xylene	ppbv	0.061 U	0.53 J	0.11 J	0.077 J	0.24	0.044 U	0.061 U	1.1	0.022 U	0.18 J	0.061 U
Tetrachloroethene	ppbv	13	4.1	4.7	8.5	5.6	5.4	7.3	14	0.73	0.63	2.0
Trichloroethene	ppbv	1.1	0.30 U	0.036 U	0.036 U	0.036 U	0.060 U	0.036 U	1.2	0.11 J	0.036 U	0.10 J
Vinyl chloride	ppbv	0.071 U	0.29 U	0.071 U	0.071 U	0.071 U	0.058 U	0.071 U	0.071 U	0.029 U	0.071 U	0.071 U

Notes:

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UU - Not detected; associated reporting limit is estim:

- - Not applicable.

■ - concentration is greater than specified criteri

**Table 2**

Page 1 of 1

**Summary Of Building 24 - Vacuum Readings  
Globe Food Equipment Co.  
South Dayton Dump and Landfill Site  
Moraine, Ohio  
2020**

<b>Sub-slab Probe Locations</b>	<b>Vacuum (" w.c.)</b>		<b>Target Vacuum (" w.c.)</b>
	<b>May 26, 2020</b>	<b>June 29, 2020</b>	
SS-24-A	No Access	No Access	
SS-24-B	-0.0576	-0.0587	
SS-24-C	0.00014	No Access	
SS-24-D	-0.00363	-0.00391	
SS-24-E	-0.0429	-0.0468	
SS-24-F	No Access	No Access	
SS-24-G	-0.00105	-0.00145	
SS-24-H	0.00031	-0.00602	
SS-24-J	-0.00004	-0.00618	-0.004
SS-24-K	0.00914	-0.00418	
SS-24-L	-0.00455	-0.00608	
SS-24-M	0.00021	-0.00163	
SS-24-N	-0.0241	-0.0331	
SS-24-P	0.00036	No Access	
SS-24-Q	-0.0535	-0.00322	
SS-24-R	-0.0121	-0.0550	